

2024 GUERNSEY

**AIR
DISPLAY**

THURSDAY 13TH JUNE 2024

Marking the 60th anniversary of the Red Arrows and the 80th anniversary of D-Day



AIR DISPLAY LINE UP

The Air Display will start at 11am. The schedule for the Air Display changes up to, and sometimes on the day of, the display itself; please visit our social media pages or our website www.guernseyairdisplay.com for the final timings and display order.

Click on the photographs of the aircraft to visit the display team's website.

Hawker Hurricane MK1 R4118

Built in 1940, the Hawker Hurricane R4118 is the only aircraft from the Battle of Britain that is still flying today. During its time in the Battle of Britain, the R4118 shot down five enemy aircrafts and was part of over 40 sorties.

In October 1940, the Hurricane R4118 itself was shot down and had to be rebuilt before taking to the skies and returning to active combat in 1941. Over the next two years, it had to be rebuilt three more times after being used as a training aircraft and suffering major accidents. From 1943-1947, it was left in its packing case after being transferred to Bombay and then donated to Varanasi university for engineering instruction. It was left exposed to the elements until 1996 when it was bought by Peter Vacher. It finally returned to the UK in 2001 where it was restored. It is now owned by James Brown and has been displayed for many years.



Navy Wings Harvard

The Harvard G-NWHF is the newest aircraft to join the Navy Wing's team. This specific aircraft was constructed in Canada in 1954 and was ordered by the American Mutual Defense Aid Program (MDAP) with the aim of facilitating pilot training for the USAF and assisting in the formation of a new West German Air Force within NATO. In 1966, it was transferred to the Força Aérea Portuguesa and utilised for counter insurgency operations in Portuguese East Africa, which is now known as Mozambique.

In 1989, after being left derelict, it was moved to Thruxton, UK for restoration and was only one of three to survive the restoration.



Navy Wings Fairey Swordfish MK1 W6856

The Fairey Swordfish was a 1930s torpedo bomber biplane that served as a frontline attack aircraft for the Fleet Air Arm of the Royal Navy. Hardly faster than the old WWI SPADs and Nieuports, it was already obsolete by the time it entered service in 1936. Despite being antiquated, it sank more tonnage than any other Allied plane during WWII and served from the beginning of the war until the end.

Of its most famous missions, it played a role in the attack of the strategic Italian port of Taranto and made a critical strike that led to the sinking of
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Photo: Lee Howard



the most famous of all German battleships, the Bismarck. The Swordfish also had the capability to serve as a dive-bomber, perform night missions and pioneer the use of Air-to-Surface Vessel (ASV) radar. It was nicknamed "Stringbag" as it was compared to a housewife's string shopping bag, common at the time, due to its ability to carry an unlikely combination of loads. The nickname was meant as a compliment. W5856 is the oldest surviving airworthy Fairey Swordfish in the world.



🎯 Mustang X-Ray / PC-21 Team

The Mustang X-Ray serves as a tactical demonstration team for the French Air and Space Force. Comprised of two Pilatus PC-21 advanced single-engine turboprop trainers from BA 709 Cognac Châteaubernard, the team is composed of three instructor pilots, including two demo pilots and one coach.

Established in 21, the primary objective of the team was to introduce the new PC-21 aircraft, which replaces the Alphajets, to the public. Additionally, the team showcases the training conducted at the flight school of the French Air and Space Force. Their programme features various formation passes, breaks, opposition passes and solo maneuvers performed by students during their training. The team has rarely been seen displaying outside France and has only been seen at one previous UK display.



🎯 Poseidon MRA1

Boeing's Poseidon MRA1 (P-8A) is a multi-role maritime patrol aircraft, equipped with sensors and weapons systems for anti-submarine warfare, as well as surveillance and search and rescue missions.

The Poseidon's comprehensive mission system features an APY-10 radar with modes for high-resolution mapping, an acoustic sensor system, including passive and multi-static sonobuoys, electro-optical/IR turret and electronic support measures. This equipment delivers comprehensive search and tracking capability, while the aircraft's weapons system includes torpedoes for engaging sub-surface targets.



🎯 Royal Air Force Aerobatic Team – The Red Arrows

The Royal Air Force Aerobatic Team, the Red Arrows, is one of the world's premier aerobatic display teams and marks its 60th anniversary in 2024. Representing the speed, agility and precision of the Royal Air Force, the team is the public face of the service and acts as ambassadors for the UK to promote the best of British.

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The display changes each year but always consists of a first half of synchronised formation aerobatics followed by a more dynamic second half. Reds 1 to 5 form the front section of the team's formation, known as Enid (after the famous author Enid Blyton). The rear section comprises Reds 6 to 9 and is called Hanna, in honour of one of the team's founding pilots and early leaders. This includes the synchro pair who perform the highly-popular opposition manoeuvres.



Rich Goodwin Jett Pitts

The Jet Pitts is based on the Pitts S2S fuselage and designed to enhance performance and entertain at airshows. G-JPIT has been built from scratch over a period of four years and incorporates all the tried and tested modifications flying on G-EWIZ. One major difference is the wing design as bigger ailerons and more wing area give a phenomenal roll rate and better low speed handling.



The two ATM Lynx Jet turbines have a single radial compressor and axial flow turbine stage. The engine owes its excellent performance and superb power-to-weight ratio to a new type of diffuser stage. The turbines deliver 700lbs thrust and, in combination with the 8.5ltr Lycoming, a total thrust of 1700lbs. The aircraft weighs only 1,550lbs.

Team Raven

Team Raven is a formation aerobatic display team that was established in May 2014. The name came from a play on the letters 'RV' and makes more sense if written 'RaVen' as per the badge on the sides of the six aircraft fuselages. The RaVens use the Van's RV aircraft. The RV-8 retains the fighter-like feel of centre-line seating, making it perfect for formation flying. The efficient airframe provides long-range and high cruise speeds, so long distances can be covered easily. The aircraft has a fuel capacity of 170 litres and can achieve a maximum speed of 220mph. The speed and the excellent climb rate provide options for dealing with weather and terrain that are not available to most pilots.



The Titans

Expect thrilling close formation aerobatics from a unique pairing of ultra-modern, dissimilar aircraft, combining the unlimited performance of the all carbon-fibre Xtremeair XA42 with the aerobatic classic Yak-50. The XtremeAir Sbach 342 (XA42) is the first all carbon-fibre aerobatic aircraft. Brought into production to compete with the famous Extra 300 series, the XA42 is lighter, faster and stronger than anything else available on the market.



The Yak-50 is a famous competition winner. Combining the thundering sounds of the MP14 radial with agility that out-performs even the most modern of aircraft. This particular Yak is well known in the display world, leading the renowned Aerostars Team for many years.





EDUCATE AND INSPIRE



One of the pillars of the Guernsey Air Display is to 'Educate and Inspire'.

We commemorate the lives and legacy of all those RAF aircrews who have served their country with honour and pride over the last century. We also support the continued preservation of our historic aircraft which enrich our national heritage.

We promote STEM (science, technology, engineering and maths) subjects to inspire the next generation of pilots, engineers and aviation professionals.

To achieve this, the Guernsey Air Display Foundation worked with the military and civilian display teams to speak to students in schools, the Combined Cadet Force and the Air Cadets during the week of the 2023 display. A similar programme of Educate and Inspire sessions is being held around this year's Air Display.

🎯 **Gary Elson, Counsellor on the Guernsey Air Display Foundation**, spoke to Year 7 and 8 students at St Sampsons High School on the importance and historical significance of the Air Display as well as the challenge of sustainability the wider aviation industry faces.

🎯 **Pilot Rich Goodwin** spoke to students studying STEM subjects at the Sixth Form Centre. Rich has worked on the development of a sustainable aviation fuel alongside modifying his Muscle Biplane to add two jet turbines. Future developments include installation of a new water cooler design which will produce more power and have a greener fuel burn.

🎯 Two of the **RAF Red Arrows Engineers** spoke to sixth-form students at Elizabeth College and The Ladies' College taking STEM subjects. The RAF is carrying out a huge amount of work to be the world's leading air force for sustainability and 'inspire' is an important theme for them, especially in the area of promoting STEM subjects.

🎯 **The RAF Careers Engagement team** was on the island throughout the week visiting schools, the Combined Cadet Force, Guernsey Air Cadets and had a presence in St Peter Port on the day of the Air Display to promote the wide range of career opportunities the RAF offers.

🎯 The annual **'Meet the Pilots'** event welcomed hundreds people of all ages, allowing them to get up close with the aircraft ahead of the Air Display, and speak to the pilots and engineers.



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We would also like to express our thanks to our Friends who have chosen to remain anonymous.

The cost to become a Friend is £17.50 and includes:

-  Bespoke enamel pin badge
-  Your name listed in the Air Display programme and on the website
-  The chance to win one of three pairs of VIP tickets to watch the Display at Castle Cornet

Click on the badge to become a Friend >>>



The Guernsey Battle of Britain Air Display takes place in Battle of Britain Week, which is the main Wings Appeal fundraiser for the Guernsey Branch of the RAF Association. You will see RAFA volunteers throughout the week across the island and in St Peter Port on the day of the display, and we ask you to please support this vital charity by making a donation.

The Royal Air Forces Association is committed to providing confidential, professional and fair services to members of the wider RAF family

from the youngest recruit to the oldest veteran and their families. Ongoing training and support for welfare volunteers and staff ensure services are consistent and of the highest possible standard. All will be treated with dignity and respect at all times.

With thousands of members and volunteers across the UK and further afield, RAFA has the network needed for a personal one-to-one approach. RAFA is there whenever an injured airman or airwoman is fighting to get back on their feet or the widow of a WWII veteran needs a shoulder to lean on. RAFA is there when a family needs support to stay strong and connected despite the separation that comes with RAF service. RAFA is trusted to work tirelessly to make sure no member of its family ever feels alone or unsupported.

For more information please visit rafa.org.uk

IMPORTANT SAFETY INFORMATION

From Barry Neal, Guernsey Air Display Flying Display Director

Our primary focus for the Guernsey Air Display has always been everyone's safety. We make every effort to reduce the risk from the Display to as low a level as possible, recognising that flying always has an element of risk. In the unfortunate event of an incident, please obey any instructions issued by the Emergency Services' personnel, the Harbourmaster's staff and/or other people acting in an official capacity. Every effort must be made to allow access to an incident site.

Let's hope the weather is favourable for everyone. Please be careful when watching the display – especially from the piers in St Peter Port, and when crossing car parks and roads if you are looking skywards towards the aircraft.

Thanks to the sterling efforts of the Harbourmaster and his staff, and the co-operation of boat owners, the Display Area has been largely undisturbed over the years. Should we get a build-up of boats in the Display area, then I have to consider the effect on the Display item in progress and the risk to those on the water should we have an incident. In the worst case I would have to suspend or cancel a part of the display. Please can all boat owners continue their excellent conduct and refrain from sailing in or out of St Peter Port during the Display and not attempt to watch the Display from the sea.

An Air Display Water Safety Zone has been published by the Harbour Master and all boat owners are asked to take note of the detail.

In the event of any drone activity anywhere within the Bailiwick, I will have no choice but to immediately suspend the display and refer the matter to the police. Only once I am satisfied that the activity in question has stopped can I resume the display. Any drone activity could potentially cause the display to be cancelled.



CONSORTIUM MEMBERS... THANK YOU!

The Guernsey Air Display relies on the generous support of local businesses alongside grants from the States of Guernsey. We thank the Consortium members for their continued and vital support.



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